

## Distributors:

### Dexter Magnetic Materials\*

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San Francisco, Fax: (510) 656-5960

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### Elna Ferrite Labs, Inc.\*

Woodstock, NY

800 553-2870

Tel: (914) 679-2497

Fax: (914) 679-7010

E-Mail: ferrite@mhv.net

234 Tinker Street  
Woodstock, New York 12498

1-800-553-2870

FAX (914) 679-7010



### Lodestone Pacific

Anaheim, CA

800 694-8089

Tel: (714) 970-0900

Fax: (714) 970-0800

E-Mail: lodestnpac@aol.com

### PSC Electronics

Sunnyvale, CA

800 654-1518

Tel: (408) 737-1333

Fax: (408) 737-0502

E-Mail: sales@pscelex.com

### PSC Electronics

Mentor, OH

800 730-0430

Tel: (216) 946-0430

Fax: (216) 946-0714

### Deco/PSC Electronics

San Diego, CA

888 693-1595

Tel: (619) 693-1595

Fax: (619) 693-0245

\*Ferrite Machining Capability

## Component Catalog Sales:

### Allied Electronics Inc.

Fort Worth, TX

800 433-5700

Fax: (817) 595-6444

### Newark Electronics

Chicago, IL

800 4-NEWARK

(800 463-9275)

Fax: 800 718-1998

(All connect to nearest office)

# Fair-Rite Products Corp.

PO Box J, One Commercial Row, Wallkill, NY 12589

Phone (914) 895-2055

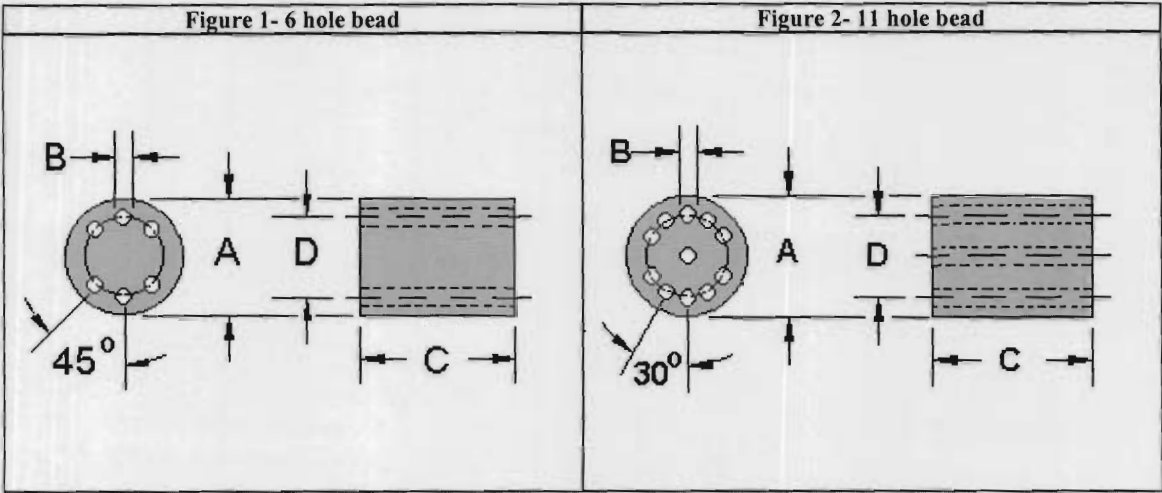
FAX (914) 895-2629

E-Mail: ferrites@fair-rite.com

Wound Ferrite Bead Specifications

Six and eleven hole beads, in 44 material and 61 material, are available as beads and as beads wound in several winding configurations.

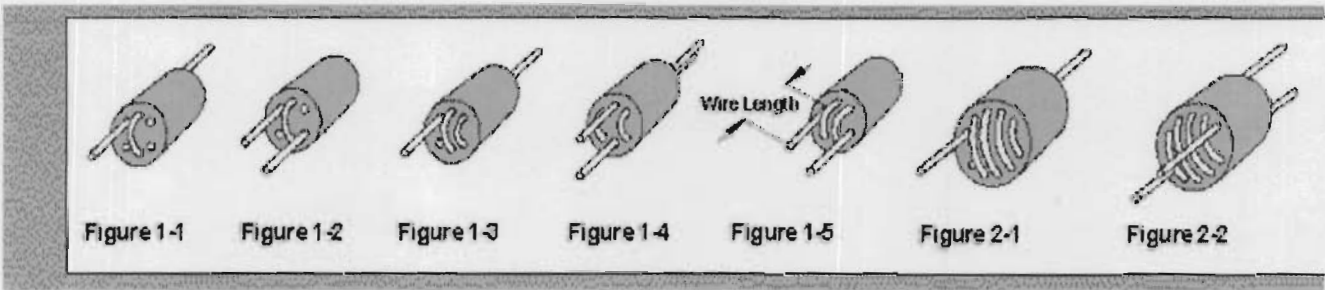
Available materials: 61 and 44.



Dimensions in bold type are in millimeters; *italic numbers are nominal in inches.*

See notes below

Beads										
Part Number	Impedance (Ohm ) @10 MHz	Impedance (Ohm ) @50 MHz	Impedance (Ohm ) @100MHz	Impedance (Ohm ) @200MHz	Fig.	Wt (g)	A	B	C	D (Ref.)
2644666611	170 min.	320 min.	375 min.		1	1.2	<b>6.0±0.25</b>	<b>0.75+0.15</b>	<b>10.0±0.25</b>	<b>3.5</b>
2661666611		250 min.	400 min.	325 min.			<i>.236</i>	<i>.032</i>	<i>.394</i>	<i>.138</i>
2644777711	300 min.	725 min.	400 min.		2	3.3	<b>10.0±0.25</b>	<b>0.9+0.15</b>	<b>10.0±0.25</b>	<b>7.5</b>
							<i>.394</i>	<i>.038</i>	<i>.394</i>	<i>.295</i>



Wound Beads								
Part Number	Impedance (Ohm ) @10 MHz	Impedance (Ohm ) @50 MHz	Impedance (Ohm ) @100MHz	Impedance (Ohm ) @200MHz	Fig.	Turns	Wire Dia.	Wire Length
2944666661	170 min.	320 min.	375 min.		1-1	1½	<i>.053</i> <i>24 AWG</i>	<b>38.0±3.0</b>
2961666661		250 min.	400 min.	325 min.				<i>1.500</i>
2944666651	240 min.	520 min.	480 min.		1-2	2	<i>.053</i> <i>24 AWG</i>	<b>38.0±3.0</b>
2961666651		425 min.	600 min.	300 min.				<i>1.500</i>
2944666671	320 min.	680 min.	580 min.		1-3	2½	<i>.053</i> <i>24 AWG</i>	<b>38.0±3.0</b>
2961666671		550 min.	675 min.	275 min.				<i>1.500</i>
2944666681	170 min.	320 min.	350 min.		1-4	2x1½	<i>.053</i> <i>24 AWG</i>	See *
2961666681		325 min.	400 min.	325 min.				
2944666631	400 min.	800 min.	550 min.		1-5	3	<i>.053</i> <i>24 AWG</i>	<b>38.0±3.0</b>
2961666631		650 min.	625 min.	250 min.				<i>1.500</i>

<b>2944777741</b>	650 min.	1000 min.	400 min.		2-1	4½	.065 22 AWG	38.0±3.0 1.500	3.8
<b>2944777721</b>	300 min.	725 min.	400 min.		2-2	2x2½	.065 22 AWG	See *	3.9

\* Wire length of one winding is **38.0±3.0 (1.500)**; wire length of second winding is **28.5±3.0 (1.125)**.

#### Notes:

1- The **Expanded Bead-on-Lead EMI Suppressor Kit (P/N 0199000010)** is available for prototype evaluation.

2- Parts with a '1' as the last digit of the part number are supplied bulk packed. Parts **2943666651**, **2961666651**, **2943666631** and **2961666631** can be supplied radially taped and reeled per EIA standard 468-B. This packing method will change the last digit of the part number to a '4' (**2943666654**, **2961666654**, **2943666634** and **2961666634**).

3- Wire used for winding is oxygen free high conductivity copper with a tin plating.

4- These beads are controlled for impedance limits only. They are tested for impedance using a Hewlett-Packard HP 4191A RF Impedance Analyzer for 61 material beads and a Hewlett-Packard HP 4193A Vector Impedance Analyzer for 43 material beads. Bead part numbers **2643666611** and **2661666611** are tested with 1½ turns; part number **2643777711** with 2½ turns.

#### Information Request

Please send me Impedance versus Frequency curves and DC bias curves for Wound Bead part number(s). Please indicate your E-mail address, your name, and your company name.

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